

Applied Composites 8061 Polyester SMC

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Polyester, TS , Thermoset Polyester Glass SMC

Material Notes:

Industry Application: High StrengthProduct Application: MilitaryDistinct Features: Structural Grade Chopped Fibers, High Stiffness, High Fiber LoadingsInformation provided by Applied Composites Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Applied-Composites-8061-Polyester-SMC.php

Physical Properties	Metric	English	Comments
Density	1.82 g/cc	0.0658 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.00 cm/cm	0.00 in/in	Cold Part VS Cold Tool; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Barcol	55	55	ASTM D2583
Tensile Strength, Ultimate	172 MPa	25000 psi	ASTM D638
Tensile Modulus	17.2 GPa	2500 ksi	ASTM D638
Flexural Strength	365 MPa	53000 psi	ASTM D790
Flexural Modulus	14.5 GPa	2100 ksi	Tangent; ASTM D790
Izod Impact, Notched	10.7 J/cm	20.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	>= 204 °C	>= 400 °F	Flexural Load; ASTM D648

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